

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE PATENT EXAMINING OPERATION

In re Application of:		§	Atty Docket No.:	94.0048	
	Schlumberger	§		(GEOA,157/US)	
	Technology Corporation	§ .			
		§			
Serial No.:	10/081,090	§ ·			
		§	Examiner:	V. Taylor	
Filed:	February 22, 2002	§			
		§			
]]]	METHOD AND APPARATUS	§			
	FOR DETECTING	Ş			
	FRACTURES USING	§	Group Art Unit:	2863	
	FREQUENCY DATA DERIVED	§			
	FROM SEISMIC DATA	8			

MAIL STOP RCE COMMISSIONER FOR PATENTS P. O. BOX 1450 ALEXANDRIA, VA 22313-1450

CERTIFICATE OF MAILING (37 CFR 1.8a)

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date indicated below with sufficient postage as first class mail in an envelope addressed to Mail Stop RCE, Commissioner for Papents 12 D. Box 1450, Alexandria, VA 22313-

Mark & Wisner, Registration No. 30,603

March 12, 2004
Date of Signature

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with Applicant's duty of candor and good faith, Applicant files this Information Disclosure Statement in accordance with the provisions of 37 C.F.R. §1.98 to make the references listed on the attached Form PTO-1449 of record in the captioned application. Also enclosed is/are:

	Certification for information submitted during time period specified in 37 C.F.R. §1.97 (c) and/or (d) in accordance with 37 C.F.R. §1.97 (e);
	Check in the amount of the fee set forth in 37 C.F.R. §1.17 (p) in accordance with 37 C.F.R. §1.97 (c);
	Petition requesting consideration of information submitted during time period specified in 37 C.F.R. §1.97 (d) in accordance with 37 C.F.R. §1.97 (d) (2);
	Check in the amount of the fee set forth in 37 C.F.R. §1.17 (i) in accordance with 37 C.F.R. §1.97(d)(3);
\boxtimes	Stamped, self-addressed post card acknowledging receipt of this paper and the other paper(s) marked with an "x" in the above list.

Please return the enclosed postcard, properly date stamped, to the undersigned attorney for Applicant upon receipt of the enclosures. In the event there are fees associated with this filing for which a check is inadvertently not enclosed, unsigned, or is insufficient in amount, the Commissioner is authorized to charge the deposit account of Wisner & Associates, Deposit Account No. 50-0965 (GEOA, 157-US) in the amount of any deficiency.

Respectfully submitted

Mark R Wisner

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ATTORNEY FOR APPLICANT

Date: <u>March 12, 2004</u>

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	 						
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FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER					~	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION				
													YES	NO
							·							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, Etc.)

	Dasgupta, Rahul and Roger A. Clark, "Estimation of Q from surface seismic reflection data," <i>Geophysics</i> , Vol. 63, No. 6, November-December 1998 (pp. 2120-2128).				
	Varela, Carlos Lopo, Andre L.R. Rosa and Tadeusz J. Ulrych, "Modeling of attenuate and dispersion," <i>Geophysics</i> , Vol. 58, No. 8, August 1993 (pp. 1167-1173).				
EXAMINER	DATE CONSIDERED				